

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	22	(extrude or extruding or extrusion) and ((pierce or piercing) near4 mandrel) and (pump or sump)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/02/06 10:35
L2	32	(extrude or extruding or extrusion) and ((pierce or piercing) near4 (mandrel or stem or ram)) and (pump or sump)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/02/06 10:51
L3	0	("2983373"). URPN.	USPAT	OR	OFF	2011/02/06 11:04
L4	1	("3180124"). URPN.	USPAT	OR	OFF	2011/02/06 11:05
L5	1	("3196659"). URPN.	USPAT	OR	OFF	2011/02/06 11:07
L6	5	("3260095"). URPN.	USPAT	OR	OFF	2011/02/06 11:08
L7	45	(extrude or extruding or extrusion) and ((pierce or piercing) WITH (mandrel or stem or ram)) and (pump or sump)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/02/06 11:09
L8	109	(extrude or extruding or extrusion) and ((pierce or piercing) SAME (mandrel or stem or ram)) and (pump or sump)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/02/06 11:09

L9	7	("2063562"   "3362208").PN. OR ("3709013"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/02/06 11:14
L10	16	("3422648"   "3468152"   "3546908"   "3570288"   "3709013"   "3950979"   "4044580"   "4420958").PN. OR ("4523444"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/02/06 11:20
L11	5	("3296848"   "3362208"   "3709013").PN. OR ("3868841"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/02/06 11:26

2/ 6/ 11 11:27:22 AM

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